

1 Far 2125

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT Under 37 CFR 1.97(b), (c), or (d)		Docket No. 5017/ISM/CORE/ MCVD/SB
---	--	---

In re Application of: Chin, et al.

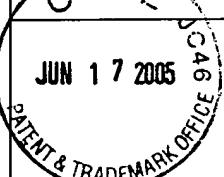
Serial No.
09/917,842

Filing Date
7/27/2001

Examiner

Group Art Unit
2125

Title: **ATOMIC LAYER DEPOSITION APPARATUS**



Address to:
Commissioner for Patents
Alexandria, VA 22313-1450

37 CFR 1.97(b)

- The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

- The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), but prior to the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by the statement or fee as indicated below.

37 CFR 1.97(d)

- The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(c), but on or before payment of the issue fee and is accompanied by the statement and fee as indicated below.

Required Statements and/or Fees Under 37 CFR 1.97(c) or (d)

- Each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement. (37 CFR 1.97(e)(1))
- No item of information in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned person, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the Information Disclosure Statement. (37 CFR 1.97(e)(2))
- The fee set forth in 37 CFR 1.17(p). Please credit any overpayment or charge any insufficiencies to deposit account number 20-0782.

37 CFR §1.704(d)

- Each item of information in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 CFR §1.56(c) more than thirty days prior to the filing of the Information Disclosure Statement.

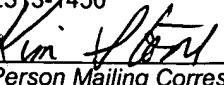
Keith P. Taboada, Esq.
Reg. No. 45,150

Moser, Patterson & Sheridan, LLP
Attorneys at Law
595 Shrewsbury Avenue, Suite 100
Shrewsbury, New Jersey 07702
732-530-9404

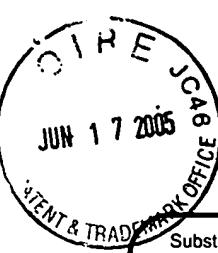
Dated: June 15, 2005

Certificate of Mailing by First Class Mail

I certify that this document is being deposited on 6/15/05 with the U.S. Postal Service as first class mail under 37 CFR §1.8 and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450


Signature of Person Mailing Correspondence

Kim Stone
Typed or Printed Name of Person Mailing Correspondence



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

Complete if Known

<i>Application Number</i>	09/917,842
<i>Filing Date</i>	July 27, 2001
<i>First Named Inventor</i>	Chin, et al.
<i>Art Unit</i>	2125
<i>Examiner Name</i>	Not yet assigned

(Use as many sheets as necessary)

Sheet 1 of 4 Attorney Docket Number 5017/ISM/CORE/ MCVD/SB

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
A1		6,630,201	10/7/2003	Chiang, et al.	
A2		6,660,126	12/9/2003	Nguyen, et al.	
A3		6,716,287	4/6/2004	Santiago, et al.	
A4		6,718,126	4/6/2004	Lei	
A5		6,734,020	5/11/2004	Lu, et al.	
A6		6,772,072	8/3/2004	Ganguli, et al.	
A7		6,773,507	8/10/2004	Jallepally, et al.	
A8		6,777,352	8/17/2004	Tepman, et al.	
A9		6,778,762	8/17/2004	Shareef, et al.	
A10		6,818,094	11/16/2004	Yudovsky	
A11		6,821,563	11/23/2004	Yudovsky	
A12		6,866,746	3/15/2005	Lei, et al.	
A13		6,868,859	3/22/2005	Yudovsky	
A14		20010014371	8/16/2001	Kilpi	
A15		20010013312	8/16/2001	Soininen, et al.	
A16		20010042523	11/22/2001	Kesala	
A17		20010054377	12/27/2001	Lindfors, et al.	
A18		20020000196	1/3/2002	Park	
A19		20020009544	1/24/2002	McFeely, et al.	

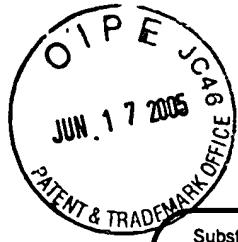
FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
B1		WO 03/23835				

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

2

of

4

Complete if Known

Application Number	09/917,842
Filing Date	July 27, 2001
First Named Inventor	Chin, et al.
Art Unit	2125
Examiner Name	Not yet assigned
Attorney Docket Number	5017/ISM/CORE/ MCVD/SB

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	A20	20020007790	1/24/2002	Park	
	A21	20020041931	4/11/2002	Suntola, et al.	
	A22	20020052097	5/2/2002	Park	
	A23	20020066411	6/6/2002	Chiang, et al.	
	A24	20020076508	6/20/2002	Chiang, et al.	
	A25	20020076507	6/20/2002	Chiang, et al.	
	A26	20020076481	6/20/2002	Chiang, et al.	
	A27	20020073924	6/20/2002	Chiang, et al.	
	A28	20020086106	7/4/2002	Park, et al.	
	A29	20020094689	7/18/2002	Park	
	A30	20020092471	7/18/2002	Kang, et al.	
	A31	20020104481	8/8/2002	Chiang, et al.	
	A32	20020108570	8/15/2002	Lindfors	
	A33	20020121342	9/5/2002	Nguyen, et al.	
	A34	20020121241	9/5/2002	Nguyen, et al.	
	A35	20020127745	9/12/2002	Lu, et al.	
	A36	20020134307	9/26/2002	Choi	
	A37	20020146511	10/10/2002	Chiang, et al.	
	A38	20020144657	10/10/2002	Chiang, et al.	
	A39	20020144655	10/10/2002	Chiang, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

3

of

4

Complete if Known

Application Number 09/917,842

Filing Date July 27, 2001

First Named Inventor Chin, et al.

Art Unit 2125

Examiner Name Not yet assigned

Attorney Docket Number 5017/ISM/CORE/ MCVD/SB

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	A40	20030224723	1/2/2003	Chihara	
	A41	20030010451	1/16/2003	Tzu, et al.	
	A42	20030022338	1/30/2003	Ruben, et al.	
	A43	20030042630	3/6/2003	Babcoke, et al.	
	A44	20030053799	3/20/2003	Lei	
	A45	20030057527	3/27/2003	Chung, et al.	
	A46	20030072913	4/17/2003	Chou, et al.	
	A47	20030075925	4/24/2003	Lindfors, et al.	
	A48	20030075273	4/24/2003	Kilpela, et al.	
	A49	20030079686	5/1/2003	Chen, et al.	
	A50	20030089308	5/15/2003	Raaijmakers	
	A51	20030101927	6/5/2003	Raaijmakers	
	A52	20030106490	6/12/2003	Jallepally, et al.	
	A53	20030113187	6/19/2003	Lei, et al.	
	A54	20030116087	6/26/2003	Nguyen, et al.	
	A55	20030121608	7/3/2003	Chen, et al.	
	A56	20030121469	7/3/2003	Lindfors, et al.	
	A57	20030143747	7/31/2003	Bondestam, et al.	
	A58	20030143328	7/31/2003	Chen, et al.	
	A59	20030140854	7/31/2003	Kilpi	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^d
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ^d Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

JUN 17 2005



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

4 of 4

Complete if Known

Application Number	09/917,842
Filing Date	July 27, 2001
First Named Inventor	Chin, et al.
Art Unit	2125
Examiner Name	Not yet assigned

Attorney Docket Number 5017/ISM/CORE/ MCVD/SB

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	A60	20030153177	8/14/2003	Tepman, et al.	
	A61	20030172872	9/18/2003	Thakur, et al.	
	A62	20030194493	10/16/2003	Chang, et al.	
	A63	20030198754	10/23/2003	Xi, et al.	
	A64	20030216981	11/20/2003	Tillman	
	A65	20030213560	11/20/2003	Wang, et al.	
	A66	20030221780	12/4/2003	Lei, et al.	
	A67	20030224107	12/4/2003	Lindfors, et al.	
	A68	20040015300	1/22/2004	Ganguli, et al.	
	A69	20040014320	1/22/2004	Chen, et al.	
	A70	20040013577	1/22/2004	Ganguli, et al.	
	A71	20040011504	1/22/2004	Ku, et al.	
	A72	20040011404	1/22/2004	Ku, et al.	
	A73	20040016404	1/29/2004	Gregg, et al.	
	A74	20040025370	2/12/2004	Guenther	
	A75	20040065255	4/8/2004	Yang, et al.	
	A76	20040071897	4/15/2004	Verplancken, et al.	
	A77	20040069227	4/15/2004	Ku, et al.	
	A78	20040144311	7/29/2004	Chen, et al.	
	A79	20040144308	7/29/2004	Yudovsky	
	A80	20050006799	1/13/2005	Gregg, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature

Date Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.